Refine Search

Search Results -

Terms	Documents
(bus adj1 type) same ("point-to-point" adj1 type)	7

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L1	(bus adj1 type) same ("point-to-point" adj1 type)	7	L1

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Search Results -

Terms	Documents
(bus adj1 type) same ("point-to-point" adj1 type)	0

Database:
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DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L2	(bus adj1 type) same ("point-to-point" adj1 type)	0	L2
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
L1	(bus adj1 type) same ("point-to-point" adj1 type)	7	L1

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1. **MOGAC: a multiobjective genetic algorithm for the co-synthesis of hardware-software embedded systems**
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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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A supercomputer system interconnect and scalable IOS

Johnson, S. Scott, S.
Cray Res. Inc., USA;

This paper appears in: **Mass Storage Systems, 1995. 'Storage - At the Forefront of Information Infrastructures', Proceedings of the Fourteenth IEEE Symposium on**
Publication Date: 11-14 Sept. 1995
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Posted online: 2002-08-06 19:56:01.0

Abstract
The evolution of system architectures and system configurations has created the need for a new supercomputer system interconnect. Attributes required of the new interconnect include commonality among system and subsystem **types**, scalability, low latency, high bandwidth, a high level of resiliency, and flexibility. Cray Research Inc. is developing a new system channel to meet these interconnect requirements in future systems. The channel has a ring-based architecture, but can also function as a **point-to-point** link. It integrates control and data on a single, physical path while providing low latency and variance for control messages. Extensive features for client isolation, diagnostic capabilities, and fault tolerance have been incorporated into the design. The attributes and features of this channel are discussed along with implementation and protocol specifics

Index Terms
Inspec
Controlled Indexing
protocols system buses

Non-controlled Indexing
client isolation fault tolerance **point-to-point** link ring-based architecture scalable IOS supercomputer system interconnect system configurations
Author Keywords
Not Available

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No references available on IEEE Xplore.

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1 The GigaRing channel, Scott, S.
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